SIEMENS

Data sheet 3SE7150-1BH04



safety cable-operated switch metal enclosure, 2 xM20x1.5; with yellow cover with latching according to EN ISO 13850 button reset, with LED lamp 24 V DC, red, for wire lengths up to 20 m $\,$

| product brand name SIRIUS product designation cable-operated switch product type designation 3SE7 Ceneral beching a display of the product function EMERGENCY STOP function Yes product function EMERGENCY STOP function Yes product function EMERGENCY STOP function Yes insulation voltage rated value 250 V degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP65 mechanical service life (operating cycles) typical 100 000 thermal current reference code according to IEC 81346-2 S continuous current of the DiAZED fuse link gG 2 A Substance Prohibitance (Date) 07/01/2006 Ambient conditions ambient temperature during operation 25 - 470 °C number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 operational current at AC-15 | | | | |
|--|--|-----------------------|--|--|
| product type designation General technical data Forduct function EMERGENCY STOP function product component light source insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP mechanical service life (operating cycles) typical thermal current 100 000 thermal current reference code according to IEC 81346-2 S continuous current of the DIAZED fuse link gG 2 A Substance Prohibitance (Date) Ambient conditions ambient temperature during operation -25 +70 °C number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at DC-13 • at 240 V rated value 2 A • at 240 V rated value • at 250 V rated value • at 250 V rated value material of the enclosure material of the enclosure material of the enclosure product component EMERGENCY STOP device of the enclosure of the enclosure • of the enclosure product function status display Yes Lamp color of the light source circuit principle material of switching contacts safely-related 2 Silver Jump function status in the successive safely-related 2 Second | product brand name | SIRIUS | | |
| Concrat tochnical data product function EMERGENCY STOP function yes insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP mechanical service life (operating cycles) typical thermal current reference code according to IEC 81348-2 continuous current of the DIAZED fuse link g6 Substance Prohibitance (Dato) Ambient conditions ambient temperature during operation ambient temperature during operation 2 A reference code accurrent at AC-15 • at 240 v rated value • at 250 v rated value • of the enclosure core • of the enclosure cover of the enclosure product function status display residence red circuit principle material of the contact Jenume of Switching contacts Jenume of one contact of part yellow coclor of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safely-related | product designation | cable-operated switch | | |
| product function EMERGENCY STOP function Product component light source Pes Insulation voltage rated value Quere of pollution Q | product type designation | 3SE7 | | |
| product component light source insulation voltage rated value degree of pollution class 3 surge voltage resistance rated value protection class IP mechanical service life (operating cycles) typical thermal current 2 A reference code according to IEC 81346-2 S continuous current of the DIAZED fuse link gG Abustance Prohibitance (Date) Ambient conditions ambient temperature during operation number of NC contacts for auxiliary contacts 1 operational current at AC-15 al 24 V rated value operational current at DC-13 al 25 V rated value at 25 V rated value at 25 V rated value be at 25 V rated value at 25 V rated value be at 25 V rated value be at 25 V rated value contact of the enclosure material of the enclosure cover of the enclosure be of the enclosure at the enclosure biack of the enclosure biack of the enclosure product component EMERGENCY STOP device be of the enclosure product component EMERGENCY STOP device of the enclosure product component EMERGENCY STOP device of the enclosure product function status display yes Lamp color of the light source circuit principle during for switching contacts safety-related 2 Silver number of switching contacts safety-related | General technical data | | | |
| Insulation voltage rated value 250 V degree of politution class 3 surge voltage resistance rated value 6 kV protection class IP IP85 IP85 IP85 IP85 IP85 IP85 IP85 I | product function EMERGENCY STOP function | Yes | | |
| degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP mechanical service life (operating cycles) typical 100 000 thermal current 2 A reference code according to IEC 81346-2 S continuous current of the DIAZED fuse link gG 2 A Substance Prohibitance (Date) 07701/2006 Ambient conditions ambient emperature during operation -25 +70 °C number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 24V rated value 3 A • at 250 V rated value 0.27 A Enclosure material of the enclosure product of the enclosure product for enclosure product for enclosure product component EMERGENCY STOP device No color • of the enclosure top part yellow coating of the enclosure part product function status display Yes Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | product component light source | Yes | | |
| surge voltage resistance rated value protection class IP IP65 mechanical service life (operating cycles) typical 100 000 thermal current 2 A reference code according to IEC 81346-2 S continuous current of the DIAZED fuse link gG 2 A Substance Prohibitance (Date) 07/01/2006 Ambient conditions ambient temperature during operation -25 +70 °C number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 240 V rated value 3 A • at 250 V rated value 9.27 A Enclosure material of the enclosure material of the enclosure cover Plastic product component EMERGENCY STOP device No color • of the enclosure top part yellow coating of the enclosure part yellow coating of the enclosure part yellow coating of the enclosure painted Display product function status display Yes Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | insulation voltage rated value | 250 V | | |
| protection class IP IP65 mechanical service life (operating cycles) typical 100 000 thermal current 2 A Frederical service life (operating cycles) typical 100 000 thermal current 2 S S continuous current of the DIAZED fuse link gG 2 A Substance Prohibitance (Date) 07/01/2006 Ambient conditions ambient temperature during operation 25 +70 °C number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 240 V rated value 3 A • at 250 V rated value 0.27 A Enclosure material of the enclosure metal material of the enclosure Plastic product component EMERGENCY STOP device No color • of the enclosure top part yellow coating of the enclosure painted Display product function status display Yes Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | degree of pollution | class 3 | | |
| mechanical service life (operating cycles) typical thermal current reference code according to IEC 81346-2 Scontinuous current of the DIAZED fuse link gG 2 A Substance Prohibitance (Date) O7/01/2006 Ambient conditions ambient temperature during operation number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value • at 240 V rated value • at 250 V rated value material of the enclosure material of the enclosure cover of the enclosure black of the enclosure black • of the enclosure product function status display red red circuit principle material of the light source circuit principle material of the light source color of the light source circuit principle material of the contact number of switching contacts safety-related | surge voltage resistance rated value | 6 kV | | |
| thermal current 2 A reference code according to IEC 81346-2 S continuous current of the DIAZED fuse link gG 2 A Substance Prohibitance (Date) 07/01/2006 Ambient conditions ambient temperature during operation -25 +70 °C number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 250 V rated value 3 A • at 250 V rated value 0.27 A Enclosure material of the enclosure metal material of the enclosure cover Plastic product component EMERGENCY STOP device No color • of the enclosure to part yellow coating of the enclosure painted Display product function status display Yes Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | protection class IP | IP65 | | |
| reference code according to IEC 81346-2 continuous current of the DIAZED fuse link gG Substance Prohibitance (Date) Ambient conditions ambient temperature during operation number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 240 V rated value 3 A • at 250 V rated value 3 A • at 250 V rated value Plastic product component EMERGENCY STOP device of the enclosure to fithe enclosure painted Display product function status display Yes Lamp color of the light source circuit principle material of the contact Jump function material of the contact Silver number of switching contacts safety-related | mechanical service life (operating cycles) typical | 100 000 | | |
| continuous current of the DIAZED fuse link gG Substance Prohibitance (Date) Ambient conditions ambient temperature during operation -25+70 °C number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value • at 240 V rated value • at 25 V rated value • black color • of the enclosure cover product component EMERGENCY STOP device of the enclosure top part coating of the enclosure product function status display Yes Lamp color of the light source circuit principle material of the contact number of switching contacts safety-related | thermal current | 2 A | | |
| Substance Prohibitance (Date) Ambient conditions ambient temperature during operation number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 250 V rated value 3 A • at 250 V rated value 9 0.27 A Enclosure material of the enclosure metal material of the enclosure cover plastic product component EMERGENCY STOP device • of the enclosure to ppart • of the enclosure black • of the enclosure to ppart coating of the enclosure painted Display product function status display Yes Lamp color of the light source circuit principle Jump function material of the contact number of switching contacts safety-related 2 | reference code according to IEC 81346-2 | S | | |
| Ambient conditions ambient temperature during operation -25 +70 °C number of NC contacts for auxiliary contacts 2 number of NC contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 24 V rated value 3 A • at 250 V rated value 0.27 A Enclosure material of the enclosure metal material of the enclosure Plastic product component EMERGENCY STOP device No color • of the enclosure top part yellow coating of the enclosure painted Display product function status display Yes Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | continuous current of the DIAZED fuse link gG | 2 A | | |
| ambient temperature during operation -25 +70 °C number of NC contacts for auxiliary contacts 2 number of NO contacts for auxiliary contacts 1 operational current at AC-15 • at 240 V rated value 2 A operational current at DC-13 • at 250 V rated value 3 A • at 250 V rated value 2 Plastic Enclosure material of the enclosure material of the enclosure over product component EMERGENCY STOP device color • of the enclosure • of the enclosure of the enclosure product function status display product function status display red color of the light source circuit principle Jump function material of the contact number of switching contacts safety-related 2 | Substance Prohibitance (Date) | 07/01/2006 | | |
| number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts operational current at AC-15 • at 240 V rated value operational current at DC-13 • at 24 V rated value 3 A • at 250 V rated value 0.27 A Enclosure material of the enclosure material of the enclosure cover plastic product component EMERGENCY STOP device of the enclosure • of the enclosure black • of the enclosure painted Display product function status display color of the light source circuit principle material of the contact number of switching contacts safety-related 2 A 2 A 2 A 3 A 2 A 3 A 3 A 4 2 E 4 2 E 4 C 5 III C 5 II C | Ambient conditions | | | |
| number of NO contacts for auxiliary contacts operational current at AC-15 • at 240 V rated value operational current at DC-13 • at 24 V rated value • at 250 V rated value Enclosure material of the enclosure material of the enclosure cover product component EMERGENCY STOP device No color • of the enclosure • of the enclosure top part coating of the enclosure product function status display yes Lamp color of the light source red circuit principle Jump function material of the contact number of switching contacts safety-related 2 | ambient temperature during operation | -25 +70 °C | | |
| operational current at AC-15 | number of NC contacts for auxiliary contacts | 2 | | |
| at 240 V rated value operational current at DC-13 at 24 V rated value at 250 V rated value other inclosure material of the enclosure material of the enclosure cover product component EMERGENCY STOP device of the enclosure of the enclosure black of the enclosure yellow coating of the enclosure product function status display product function status display Lamp color of the light source red circuit principle material of the contact number of switching contacts safety-related 2 A 2 A 2 A 2 A 3 A 0.27 A Enclosure Plastic No No color Plastic No Plastic No Ves Lamp color of the enclosure painted Jump function status display Yes Lamp color of the light source red circuit principle material of the contact Silver number of switching contacts safety-related | number of NO contacts for auxiliary contacts | 1 | | |
| operational current at DC-13 • at 24 V rated value • at 250 V rated value 0.27 A Enclosure material of the enclosure material of the enclosure cover product component EMERGENCY STOP device of the enclosure • of the enclosure • of the enclosure black • of the enclosure top part coating of the enclosure Display product function status display Lamp color of the light source circuit principle material of the contact number of switching contacts safety-related 2 | operational current at AC-15 | | | |
| • at 24 V rated value • at 250 V rated value • at 250 V rated value Display product function status display color of the light source color of the light source color of the locotact color of the contact color of switching contacts safety-related 3 A 0.27 A Display Plastic No No Color black yellow yellow yellow Yes Lamp color of the light source red circuit principle material of the contact Silver number of switching contacts safety-related | at 240 V rated value | 2 A | | |
| at 250 V rated value Display product function status display Lamp color of the light source color of the light source color of the light source circuit principle material of the contact number of switching contacts safety-related metal metal metal metal Plastic Plastic No No vellow plastic No vellow plastic No vellow plastic No vellow yellow yellow yellow red circuit principle Jump function status display Yes | operational current at DC-13 | | | |
| Enclosure material of the enclosure | at 24 V rated value | 3 A | | |
| material of the enclosure | at 250 V rated value | 0.27 A | | |
| material of the enclosure cover product component EMERGENCY STOP device No color of the enclosure of the enclosure top part coating of the enclosure painted Display product function status display color of the light source circuit principle material of the contact number of switching contacts safety-related Plastic No No Plastic Plastic No Plastic No Plastic No Selver Silver No Silver No Silver No Silver Plastic No Silver | Enclosure | | | |
| product component EMERGENCY STOP device color of the enclosure of the enclosure top part painted Display product function status display color of the light source circuit principle material of the contact number of switching contacts safety-related No | material of the enclosure | metal | | |
| color | material of the enclosure cover | Plastic | | |
| of the enclosure of the enclosure top part vellow coating of the enclosure Display product function status display Yes Lamp color of the light source circuit principle material of the contact number of switching contacts safety-related 2 | product component EMERGENCY STOP device | No | | |
| ● of the enclosure top part coating of the enclosure painted Display product function status display Yes Lamp color of the light source circuit principle Jump function material of the contact number of switching contacts safety-related yellow painted red Silver supplication Silver 1 | color | | | |
| coating of the enclosure painted Display product function status display Yes Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | of the enclosure | black | | |
| product function status display Product function status display Lamp color of the light source circuit principle Jump function material of the contact number of switching contacts safety-related 2 | of the enclosure top part | yellow | | |
| product function status display Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | coating of the enclosure | painted | | |
| Lamp color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | Display | | | |
| color of the light source red circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | product function status display | Yes | | |
| circuit principle Jump function material of the contact Silver number of switching contacts safety-related 2 | Lamp | | | |
| material of the contact Silver number of switching contacts safety-related 2 | color of the light source | red | | |
| number of switching contacts safety-related 2 | circuit principle | Jump function | | |
| | material of the contact | Silver | | |
| cable entry type 2x M20 x 1,5 | number of switching contacts safety-related | 2 | | |
| | cable entry type | 2x M20 x 1,5 | | |

| Installation/ mounting/ dimensions | | | | | |
|--|--------|---------------------------|-------------------|--|--|
| fastening method | screw | screw fixing | | | |
| height | 171 n | 171 mm | | | |
| width | 52 mi | 52 mm | | | |
| depth | 74 mi | 74 mm | | | |
| Connections/ Terminals | | | | | |
| type of electrical connection | screw | screw-type terminals | | | |
| type of connectable conductor cross-sections | | | | | |
| • solid | 2x (0. | 2x (0.5 2.5 mm²) | | | |
| finely stranded with core end processing | 2x (0. | 2x (0.5 2.5 mm²) | | | |
| for AWG cables solid | 2x (2) | 2x (20 14) | | | |
| for AWG cables stranded | 2x (2) | 2x (20 14) | | | |
| Supply voltage | | | | | |
| type of voltage of the supply voltage of the light source | DC | DC | | | |
| supply voltage 1 of the light source at DC rated value | 24 V | 24 V | | | |
| relative negative tolerance of the supply voltage | -15 % | -15 % | | | |
| relative positive tolerance of the supply voltage | 10 % | 10 % | | | |
| Safety related data | | | | | |
| B10 value with high demand rate according to SN 31920 | 100 0 | 100 000 | | | |
| proportion of dangerous failures with high demand rate according to SN 31920 | 50 % | 50 % | | | |
| Certificates/ approvals | | | | | |
| General Product Approval | | Declaration of Conformity | Marine / Shipping | | |

Confirmation











Marine / Shipping

other





Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE7150-1BH04

Cax online generator

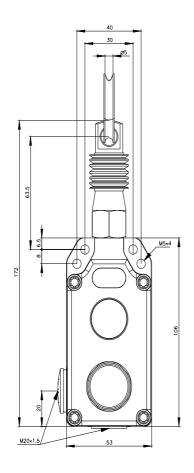
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SE7150-1BH04}$

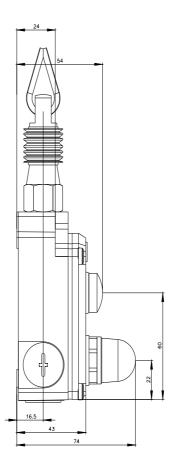
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

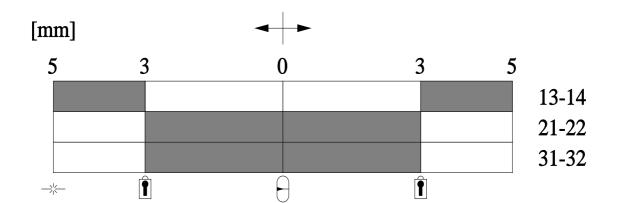
https://support.industry.siemens.com/cs/ww/en/ps/3SE7150-1BH04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE7150-1BH04&lang=en







- Verriegelung / Locking
- → Betätigungsrichtung / Travel
- Mittelstellung / Middle position
- ☆ Seilriss / Rope rip
- Schaltglied geschlossen / Contact element closed
- Schaltglied geöffnet / Contact element open

